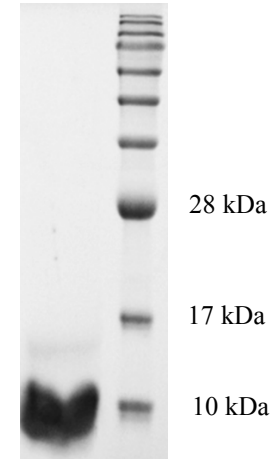


## Heregulin- $\beta$ 2 (HRG2 $\beta$ ), Human Recombinant

<b>CATALOG #:</b>	4730-10	10 $\mu$ g
	4730-50	50 $\mu$ g
	4730-1000	1 mg
<b>ALTERNATE NAMES:</b>	Neuregulin-1, NRG1, GGF, HGL, HRGA, NDF, SMDF, HRG, ARIA, GGF2, HRG1.	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>95% by SDS-PAGE and HPLC analysis	
<b>ENDOTOXIN:</b>	<0.1 ng per $\mu$ g of Heregulin- $\beta$ 1.	
<b>MOL. WEIGHT:</b>	7.4 kDa (65 aa, 177-237)	
<b>FORM:</b>	Lyophilized from water.	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in endotoxin free water to a concentration of 0.1-1.0 $\mu$ g/ $\mu$ l. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.	
<b>STORAGE CONDITIONS:</b>	The lyophilized protein is best-stored desiccated at -20°C or below. Reconstituted protein should be stored at working aliquots at -80°C. Avoid multiple freeze/thaw cycles after reconstitution.	

**DESCRIPTION:** Neuregulin/Heregulin is a family of structurally related polypeptide growth factors derived from alternatively spliced genes (NRG1, NRG2, NRG3 and NRG4). To date, there are over 14 soluble and transmembrane proteins derived from the NRG1 gene. Proteolytic processing of the extracellular domain of the transmembrane NRG1 isoforms release soluble growth factors. HRG- $\beta$ 2 is a signaling protein for ErbB2/ErbB4 receptor on the cardiac muscle cells. The polypeptide is comprised of an immunoglobulin and epidermal growth factor-like (EGF-like) domains.

**FOR RESEARCH USE ONLY! Not to be used on humans.**



15% SDS-PAGE of purified protein  
Lane 1: Purified HRG2- $\beta$  (20  $\mu$ g)  
Lane 2: Protein Marker

### RELATED PRODUCTS:

- Recombinant Human Heregulin  $\beta$ 1 (Cat. No. 4730-10, 50, -1000)
- ErbB4/HER4 (His Tagged), Human Recombinant (Cat. No. 7773-5)